

The CleanCart® Concept

Safe and easy maintenance and disinfection of the dialysis machine fluid path.

CleanCart® - C 32g

- Citroen zuur
- Citronsyra
- Citronsyre
- Zitronensäure

- Citric acid
- Acide citrique
- Zitronensäure
- Acido citrico

2004-10

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LOT

DAIICHI KASEI - 2001-10



Consider CleanCart® Cartridges

Are you responsible for the maintenance and disinfection of the dialysis machine? Then consider this:

- Using CleanCart cartridges, nobody has to be exposed to concentrated chlorine or strong acids.
- Using CleanCart cartridges, nobody has to take the risk of developing intolerance or allergic reactions.
- Using CleanCart cartridges, you reduce environmental pollution.

You have a choice!

The Gambro maintenance and disinfection concept using the CleanCart cartridges fulfils the demands of today with regards to:

- Environmental performance and safety at work.
- Ease of handling, efficiency and economical savings.

CleanCart - C 32g

- Citroen zuur
- Citronsyra
- Citronsyre
- Zitronensäure
- Säurekristalle

- Citric acid
- Acide citrique
- Zitronensäure
- Acido citrico
- Kristalle Zitronensäure

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The CleanCart® Concept

Compared to other maintenance systems the Gambro CleanCart cartridge concept is considerably more time efficient. It also provides a safer working environment, as well as a safer treatment for the patient. It makes sure that you get the best performance from your dialysis machine, for years to come.

The CleanCart cartridge is based on the same unique idea as the BiCart® cartridge; online production of a liquid from a dry powder. However, citric acid or sodium carbonate is used instead of bicarbonate.

Easy handling and Safety

A CleanCart cartridge weighs only about 50 grams. Accordingly, the handling of hazardous chemicals in heavy canisters, and problems such as mixing, spillage, and unpleasant smells are no longer issues to consider.

Using a CleanCart cartridge could not be easier. Just press the disinfection button and place the cartridge in the holder. The machine will automatically dissolve and dilute the content of the cartridge upstream the fluid path, and perform a heat disinfection in combination with a decalcification or cleaning. No solution is ever recirculated from the downstream, “dirty” part, of the fluid path.

Efficiency

The efficiency of the heat disinfection is enhanced when performed

in combination with the CleanCart-C cartridge. The disinfecting property of this combination is as good as the commonly used chemical disinfectants, but without the risk of causing intolerance, irritation or allergic reactions.

Economy

Time is money, and the CleanCart cartridge concept will help you save both. The solution is always fresh since it is prepared by the machine, for every single use. That ensures the best possible effect and eliminates wastage. Also, the simplicity and efficiency of CleanCart, and the automated functions in the Gambro machines, minimize both the operator time and down-time between treatments; two procedures are performed at the same time, and there is no need for residual tests.

Environment

The content of both the CleanCart-C and CleanCart-A cartridges is 100% biologically degradable. The cartridge is made of medical grade polypropylene and is well suited for recycling or incineration.



CleanCart-A 139

- Sodium carbonate
- Carbonate de sodium
- Natriumcarbonat
- Disodium carbonate
- Natriumcarbonat
- Disodium carbonate

CleanCart-C 329

- Citric acid
- Acide citrique
- Zitronensäure
- Citronensäure
- Citronensäure
- Zitronensäure

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CleanCart[®]-A and CleanCart[®]-C

General description

The CleanCart cartridge concept makes it possible to perform a heat disinfection in combination with a decalcification or a cleaning in a simple and safe way. Water is automatically drawn through the CleanCart cartridge when it is attached to the holder on the dialysis machine. The powder in the cartridge is dissolved and diluted during the first minutes of use and then circulated throughout the fluid path of the machine. The cartridge is effectively rinsed and drained at the end of the cleaning cycle. When empty, it can be safely discarded without any chemical spillage.

CleanCart-A

The CleanCart-A cartridge contains 13 grams of anhydrous sodium carbonate powder (in compliance with Ph. Eur. and USP).

The CleanCart-A cartridge is used in combination with the heat disinfection program to clean the dialysis machine fluid path. The sodium carbonate solution obtained removes organic

deposits, fats and proteins while circulated throughout the fluid path.

CleanCart-C

The CleanCart-C cartridge contains 32 grams of citric acid anhydrate powder (in compliance with Ph. Eur. and USP). The CleanCart-C cartridge is used in combination with the heat disinfection program to both decalcify and disinfect the dialysis machine fluid path simultaneously. The citric acid solution obtained removes precipitated salts of calcium and magnesium while circulated throughout the fluid path. A low pH solution, as is obtained with the citric acid, enhances the efficiency of the heat disinfection and the combination of heat and CleanCart-C speed up the decalcification process remarkably.

No residual test

The properties of sodium carbonate and citric acid together with the dialysis machine rinsing program makes residual tests unnecessary.

A CleanCart cartridge is light and compact, and requires less storage space than conventional liquid disinfectants. The CleanCart-A and CleanCart-C cartridges in this picture are shown in natural size.



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CleanCart is a registered trademark of Gambro AB.

This product is CE marked in accordance with the requirements in EC Council Directive 93/42/EEC.